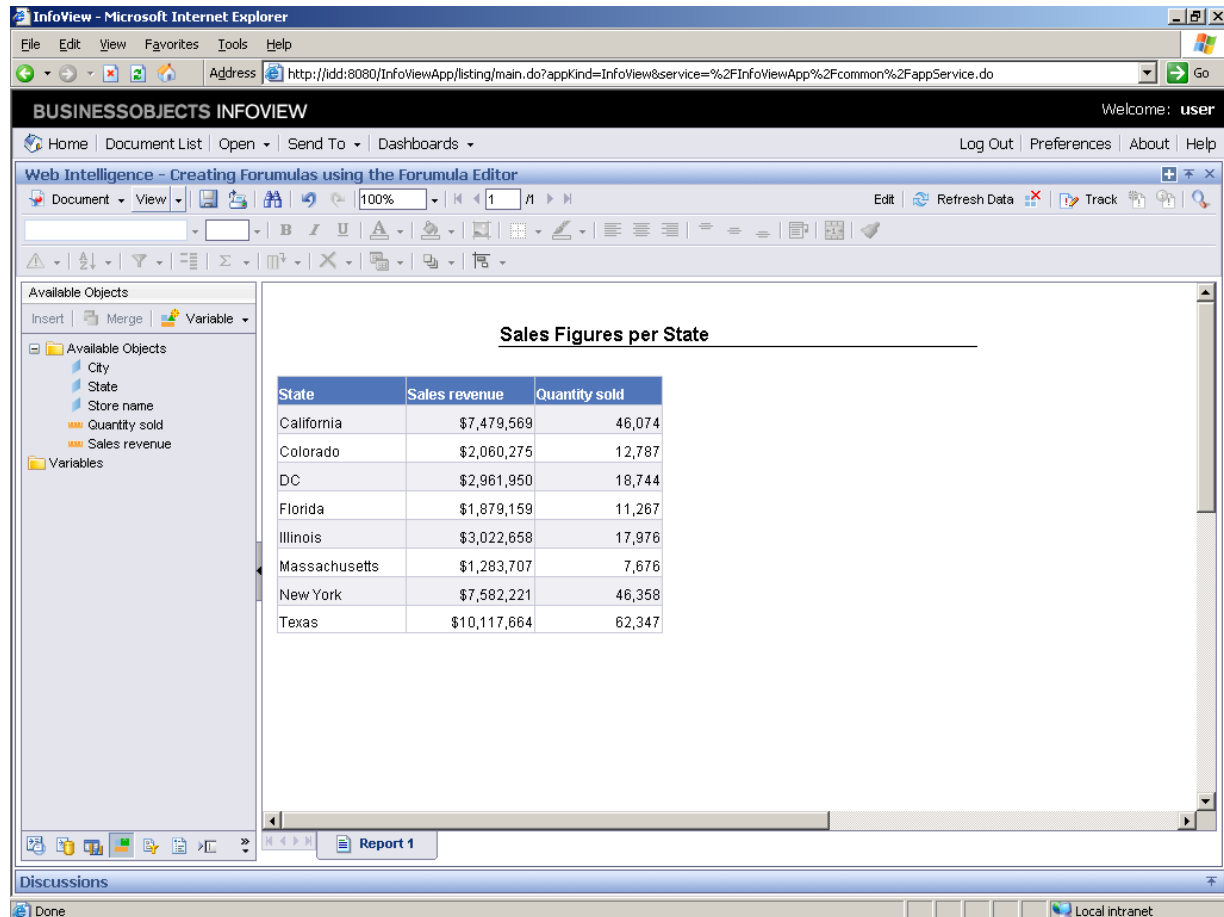


## Creating formulas using the Formula Editor

### Procedure

1. Start the transaction using the menu path or transaction code.

### Internal



State	Sales revenue	Quantity sold
California	\$7,479,569	46,074
Colorado	\$2,060,275	12,787
DC	\$2,961,950	18,744
Florida	\$1,879,159	11,267
Illinois	\$3,022,658	17,976
Massachusetts	\$1,283,707	7,676
New York	\$7,582,221	46,358
Texas	\$10,117,664	62,347

2. Click the **View** menu.

You can display the Formula toolbar at any moment as you view a Web Intelligence document in Interactive Viewing mode.

3. Click **Toolbars**.

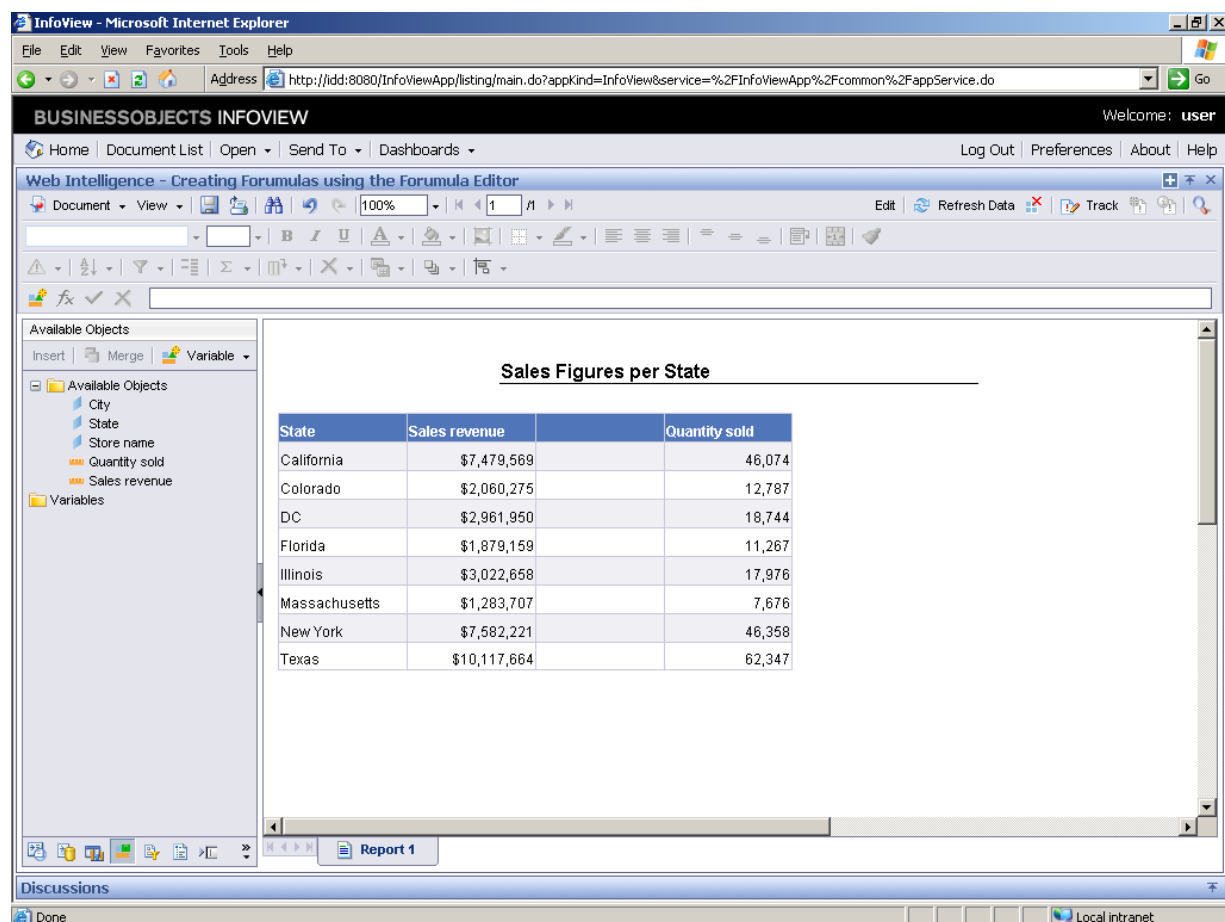
## Creating formulas using the Formula Editor

- Click **Formula**.
- Press [Enter] to continue.

The Formula toolbar is displayed.

Press **[Enter]** to continue.

### Internal



**BUSINESSOBJECTS INFOVIEW** Welcome: user

Home | Document List | Open | Send To | Dashboards | Log Out | Preferences | About | Help

Web Intelligence - Creating Formulas using the Formula Editor

Document | View | 100% | 1 | Edit | Refresh Data | Track

**Available Objects**

- Available Objects
  - City
  - State
  - Store name
  - Quantity sold
  - Sales revenue
- Variables

**Sales Figures per State**

State	Sales revenue	Quantity sold
California	\$7,479,569	46,074
Colorado	\$2,060,275	12,787
DC	\$2,961,950	18,744
Florida	\$1,879,159	11,267
Illinois	\$3,022,658	17,976
Massachusetts	\$1,283,707	7,676
New York	\$7,582,221	46,358
Texas	\$10,117,664	62,347

Report 1

Discussions

Done Local intranet

- Click the **empty title cell** for the new column.

Using Web Intelligence, you are going to fill a new column called "Unit price" with the results of a formula.

## Creating formulas using the Formula Editor

In this exercise, a new column has been inserted for you. First, create a title for the column.

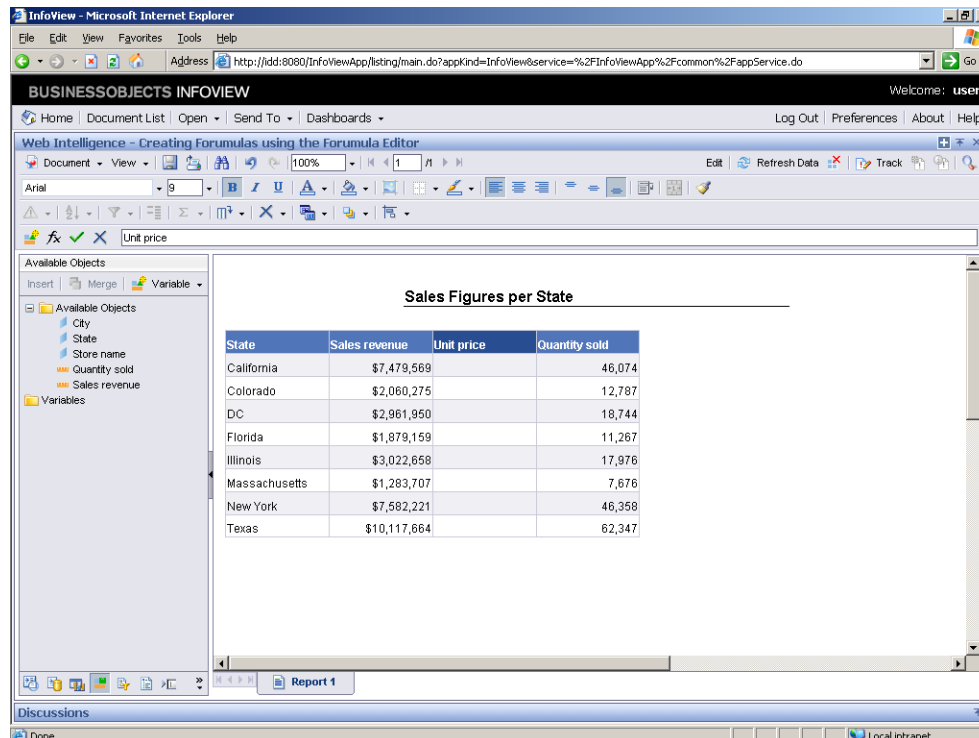
- Click inside the **Formula** field.
- As required, complete/review the following fields:

Field	R/O/C	Description
Filter Sort	R	<b>Example:</b> Unit price

Enter the new column title into the **Formula** field.

- Click **Validate** .

### Internal



The screenshot shows the Business Objects InfoView application. The top navigation bar includes 'Home', 'Document List', 'Open', 'Send To', and 'Dashboards'. The main content area is titled 'Web Intelligence - Creating Formulas using the Formula Editor'. It features a 'Formula Editor' window with a text input field containing 'Unit price'. Below the editor, there is a table titled 'Sales Figures per State' with the following data:

State	Sales revenue	Unit price	Quantity sold
California	\$7,479,569		46,074
Colorado	\$2,060,275		12,787
DC	\$2,961,950		18,744
Florida	\$1,879,159		11,267
Illinois	\$3,022,658		17,976
Massachusetts	\$1,283,707		7,676
New York	\$7,582,221		46,358
Texas	\$10,117,664		62,347

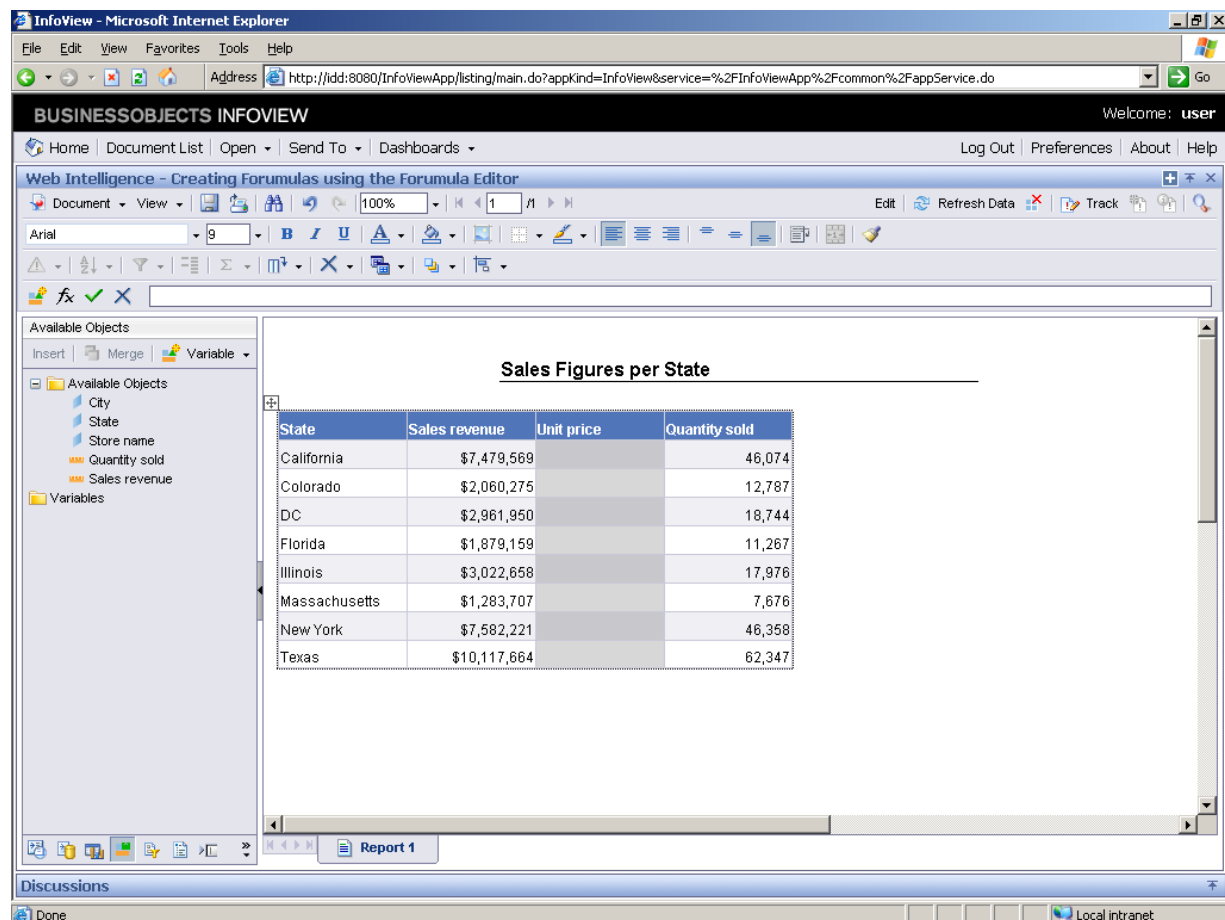
The interface also includes a sidebar with 'Available Objects' and a 'Report 1' button at the bottom.

## Creating formulas using the Formula Editor

10. Click an **empty cell** in the Unit price column.

Now you are going to define a formula to calculate the data you want to display in this column.

### Internal



State	Sales revenue	Unit price	Quantity sold
California	\$7,479,569		46,074
Colorado	\$2,060,275		12,787
DC	\$2,961,950		18,744
Florida	\$1,879,159		11,267
Illinois	\$3,022,658		17,976
Massachusetts	\$1,283,707		7,676
New York	\$7,582,221		46,358
Texas	\$10,117,664		62,347

11. Click **Formula Editor** .

You can define formulas in two ways:

- type the formula elements into the Formula toolbar
- use the Formula Editor to build the formula

Typing elements into the toolbar is most suitable for experienced users.

If you are not yet familiar with formulas, you can use the Formula Editor to build them.

12. Press [Enter] to continue.


The Formula Editor is an interface that allows you to select different components of your formulas (objects, functions, operators) and add them to the formula.

**Note:** Formulas always begin with an equal (=) sign and report objects always appear inside square brackets.

Press **[Enter]** to continue.

13. Double-click the **Sales revenue** object.

When you begin a formula with an object or a function, Web Intelligence automatically enters the equal sign (=) to begin the formula.

14. Click the **Division operator** button .
15. Double-click the **Quantity sold** object.
16. Click **Validate**.
17. Click **OK**.
18. Click **OK**.

19. Press [Enter] to continue.

The formula results are displayed in the Unit price column.

Note that the formula also appears in the Formulas folder, in the Available Objects pane.

Press **[Enter]** to continue.

20. Click **Create a variable** .

You are now going to create new variable called "Unit price" based on the formula you just created.

21. As required, complete/review the following fields:

Field	R/O/C	Description
Name:	R	<b>Example:</b> Unit price

Enter the name for the new variable in the **Name:** field.

22. Press [Enter] to continue.

Note that because this new variable is based on a formula, it is automatically qualified as a Measure.

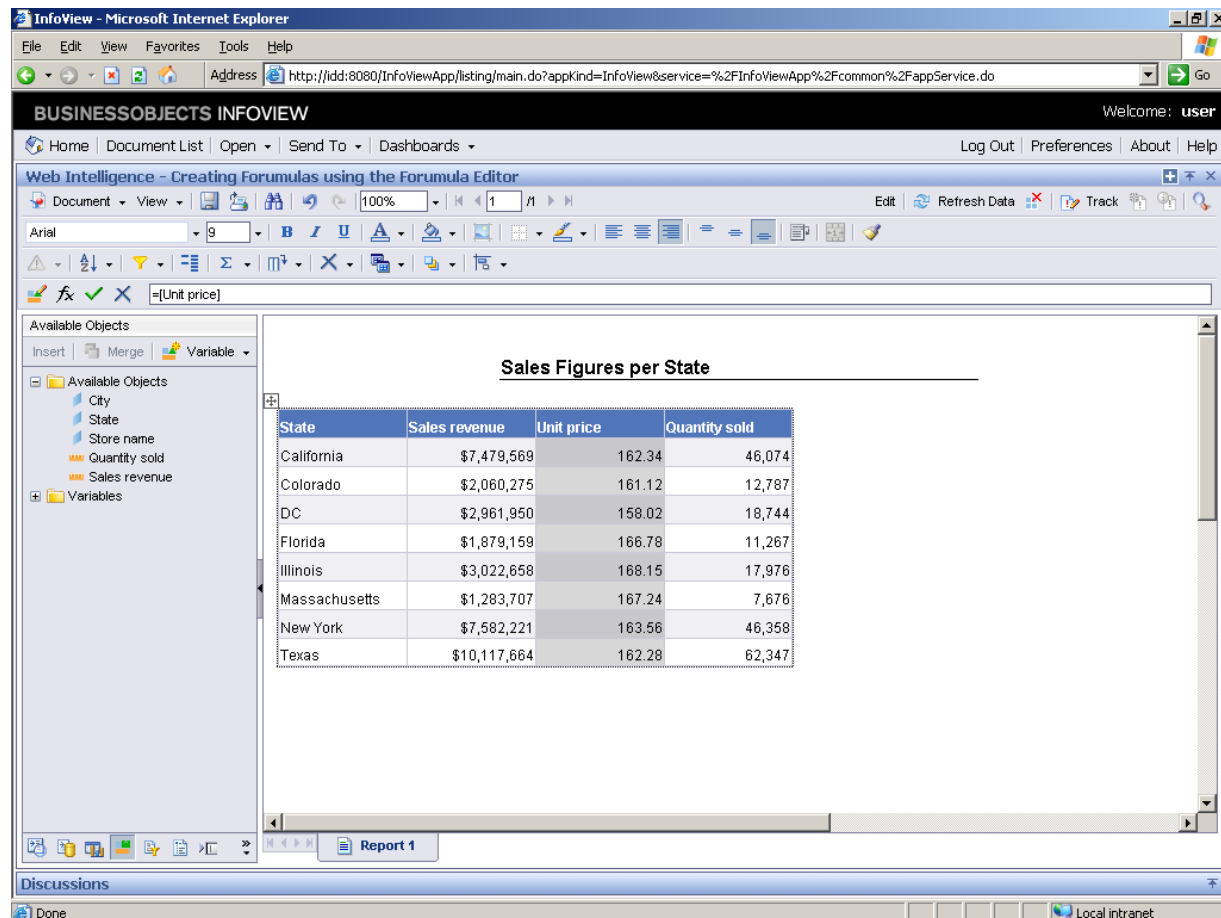
Press **[Enter]** to continue.

23. Click to scroll **down**.

24. Click **OK**.

## Creating formulas using the Formula Editor

### Internal

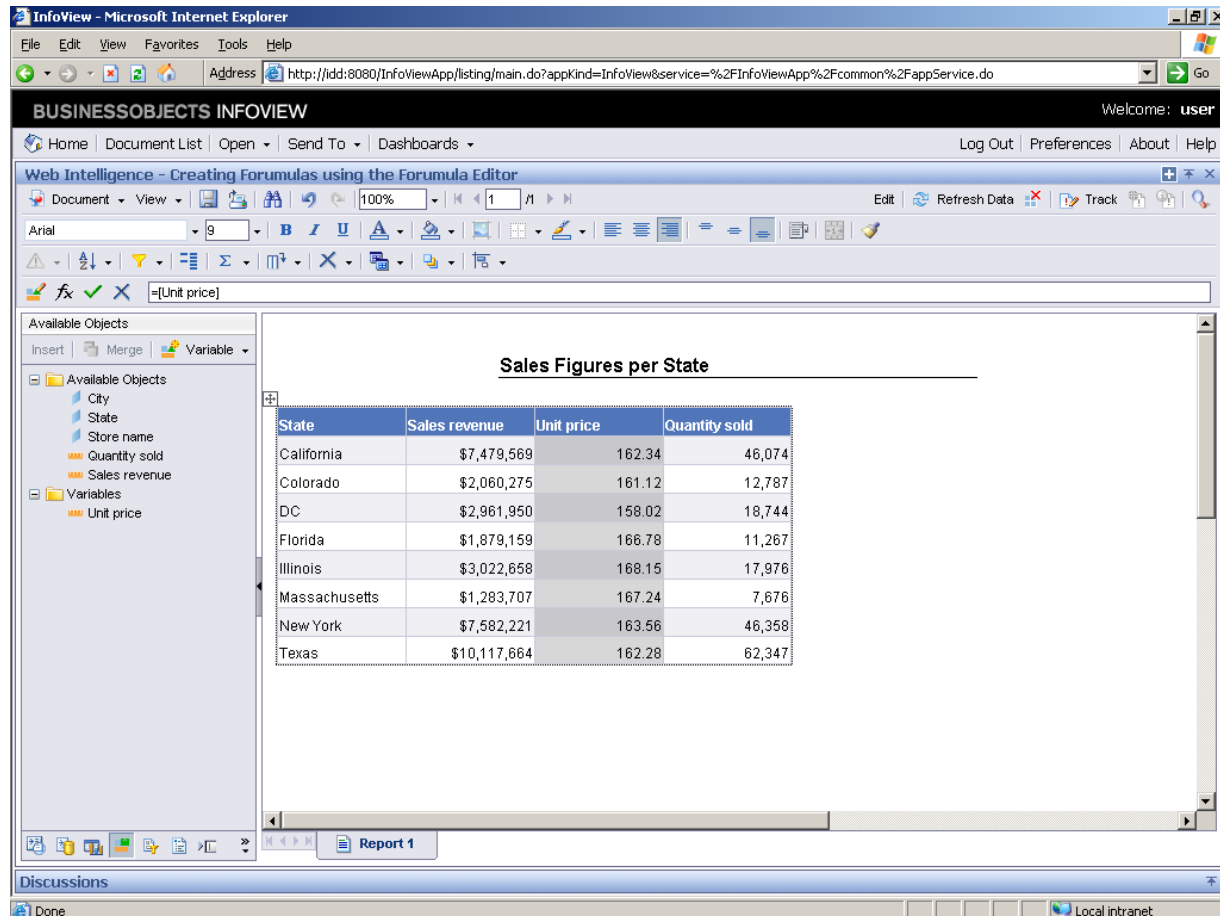


State	Sales revenue	Unit price	Quantity sold
California	\$7,479,569	162.34	46,074
Colorado	\$2,060,275	161.12	12,787
DC	\$2,961,950	158.02	18,744
Florida	\$1,879,159	166.78	11,267
Illinois	\$3,022,658	168.15	17,976
Massachusetts	\$1,283,707	167.24	7,676
New York	\$7,582,221	163.56	46,358
Texas	\$10,117,664	162.28	62,347

25. Click the + before the **Variables** tree item.
26. Start the transaction using the menu path or transaction code.

## Creating formulas using the Formula Editor

### Internal



State	Sales revenue	Unit price	Quantity sold
California	\$7,479,569	162.34	46,074
Colorado	\$2,060,275	161.12	12,787
DC	\$2,961,950	158.02	18,744
Florida	\$1,879,159	166.78	11,267
Illinois	\$3,022,658	168.15	17,976
Massachusetts	\$1,283,707	167.24	7,676
New York	\$7,582,221	163.56	46,358
Texas	\$10,117,664	162.28	62,347

27. Press [Enter] to continue.

The new Unit price variable behaves exactly like any other object in the document. You can drag and drop the variable anywhere you wish in this report or any other report in the document, and it will always calculate sales revenue divided by quantity sold.

The results of this calculation will depend on the other dimension objects included with Unit price in the table or the chart. If it is the State object, the unit price will be automatically calculated per state; if



it is the City or the Store name object, the unit price will be calculate automatically per city or per store.

Press **[Enter]** to continue.